

## CLAIMS

- [1] Cellulose II phosphate which may be partly carbamidated.
- [2] A process for producing cellulose II phosphate which may be partly carbamidated, which comprises reacting  
5 a phosphorus oxide, a phosphoric acid halide, or a phosphoric acid or a salt thereof to cellulose II which may be partially carbamidated.
- [3] A metal-adsorbing material comprising cellulose II phosphate which may be partly carbamidated.
- 10 [4] A metal-adsorbing system comprising cellulose II phosphate which may be partly carbamidated.
- [5] A metal-adsorbing system according to claim 4, wherein said metal-adsorbing material is packed in a column.
- [6] A metal-adsorbing system according to claim 4, wherein  
15 said metal-adsorbing material is in a form of a bag.
- [7] A metal-adsorbing system according to claim 4, wherein said metal-adsorbing material is in a form of a cylinder or fabric and is arranged inside a water storage tank.
- [8] An anion-adsorbing material comprising a metal salt of  
20 cellulose II phosphate which may be partly carbamidated.